



MODEL
J1100S

A Smart 10Hz GPS Lap Timer with *Lean Angle* Measurement



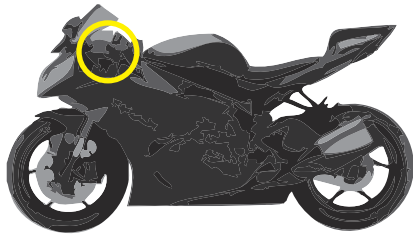
- Real time lean angle up to 69 degrees • Max degree of left / right lean angles
- Max angles of the last three turns • Real time longitudinal G of acceleration / deceleration up to $\pm 1.5G$
- Real time GPS speed up to 255 MPH • Top GPS speed • 10Hz GPS trace mapping • PC analysis
- 1/1000 second lap time resolution • Lap time • Best lap time with time gap • Last lap • Session time
 - Sector time • Auto Track search • Auto Finish Line setup • Auto Timer start
- Auto Timer stop • Auto data logging • Auto Lap Record Display • Up to 7 Sector Lines in one Track
 - Up to 15 Tracks • Track editable via software • Lap time record report with motion data

GMOS J100S

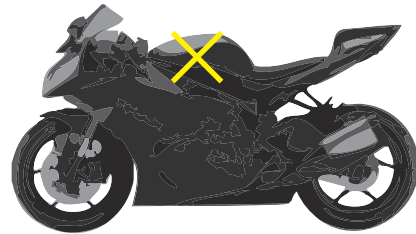
QUICK GUIDE

Dashboard Unit Location

Best



No, unless with external antenna



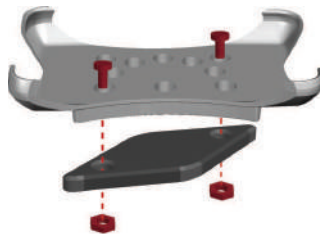
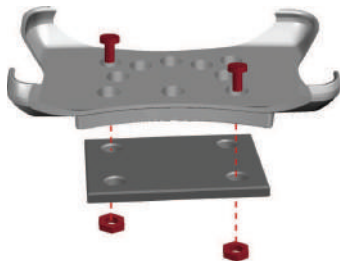
Installing Bracket

With 3M Dual Lock tape



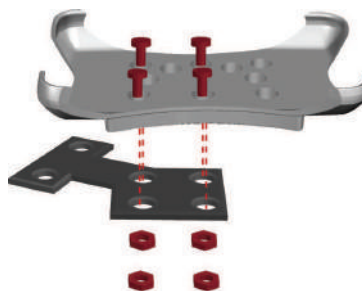
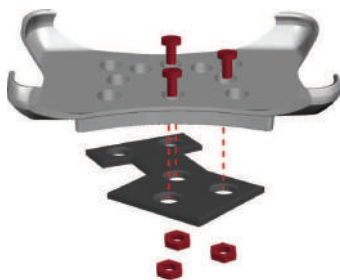
Apply the included tape to the back of the bracket, and adhere the bracket to a preferred location. Keep the SA logo right side up.

Or with AMPS mounts



If you have an AMPS hole pattern mount, please find the diagonal holes on the bracket and fit them with the corresponding holes on the mount plate. Then bolt them together. Keep the SA logo right side up.

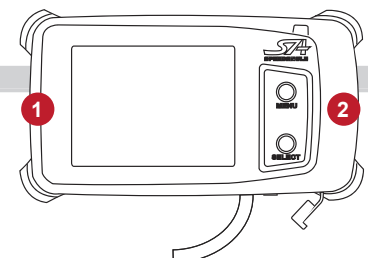
Or with hand-made mounts



The hole pattern on the bracket is designed to form as many regular triangles and squares as possible to allow you the maximum freedom when using hand-made mounts or zip ties. Keep the SA logo right side up.

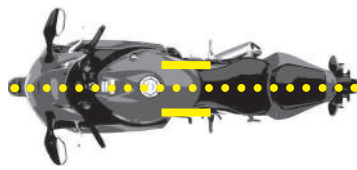
Clicking Device into Place

Insert the left end of the device into the bracket, then click the right end into place.



Installing Sensor

1. Find a plane on either side of the bike frame that is parallel to the longitudinal center line of the bike and vertical to the ground.

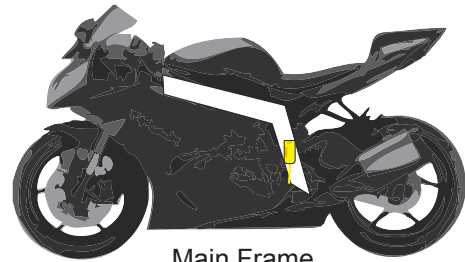


Parallel to the longitudinal center line



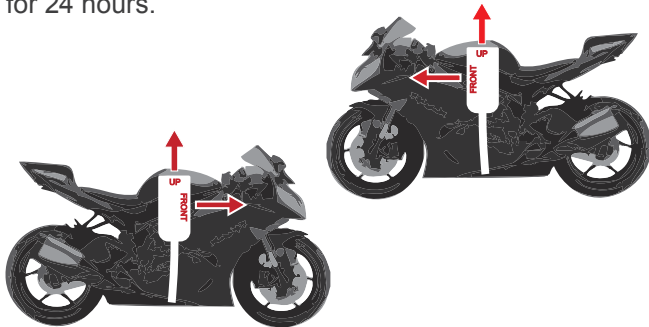
Vertical to the ground

2. Avoid any place that may move, turn, or vibrate too much, such as handle bar, bike tail, or fairing. Main frame is the best location.

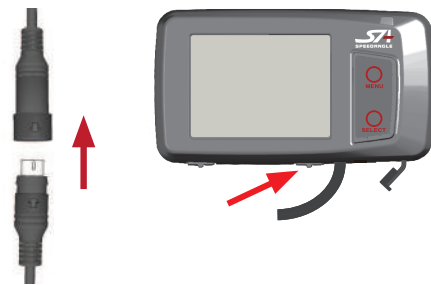


Main Frame

3. Clean the surface with alcohol and let dry. Point the "UP" lettering upward and "FRONT" to the front of the bike. With the sensor vertical to the ground, adhere it with the supplied red sponge tape. Let sit for 24 hours.

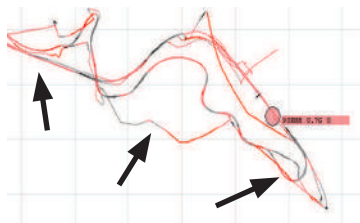


4. Align the arrows on the sensor cable head with device cable head. Connect before switching the power on. Otherwise, the sensor will not be recognized by the device.



Installing External Antenna

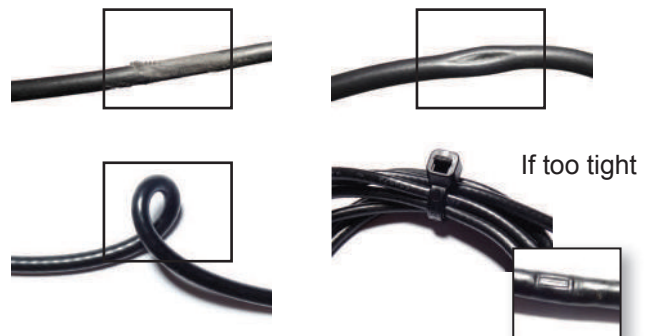
Install the external antenna when the built-in antenna reception is poor (erratic trace on software as below). If you are already using one, check if it is damaged, or change a location.



Adhere the antenna to a location with a clear view of the sky, such as the tail. Avoid the engine area. Stay away from the device.



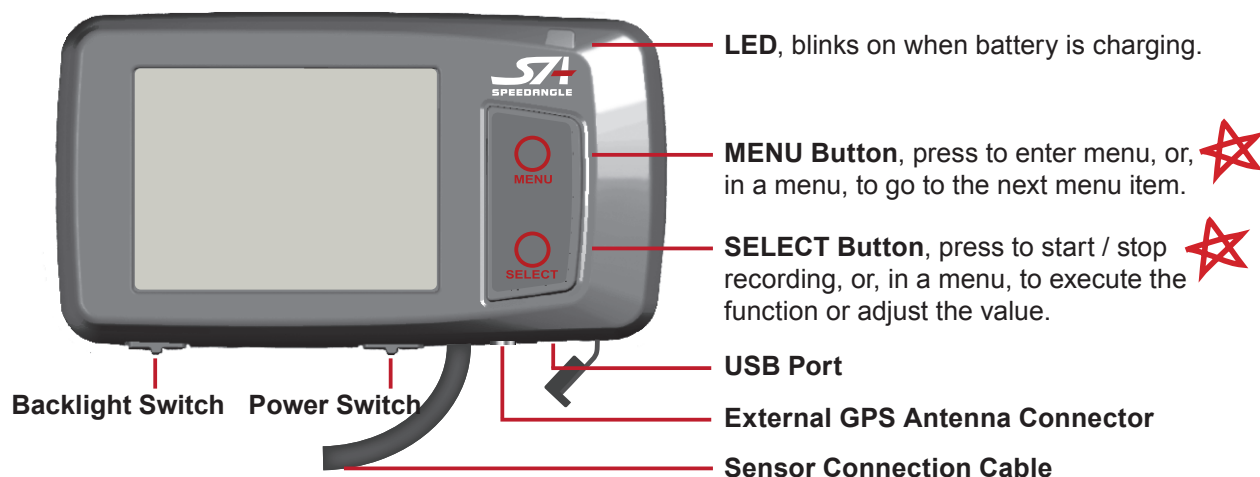
The cable run must not be kinked or crushed, or have a bend diameter less than 2 inch (5 cm). The cable should be laid as straight as possible. Then insert the antenna cable plug to the jack on the dashboard.



Please make sure the device, sensor, antenna, and cables are all properly secured for your safety.



Device Overview



Start Using GMOS

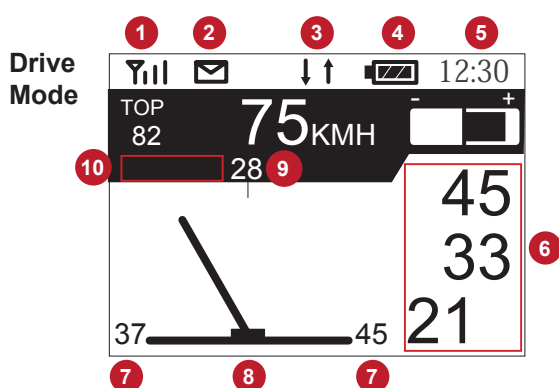
Switch the power on. GMOS will display your ID, device information, and liability disclaimer, and then enter Timer mode / Drive mode depending on which mode you used last time. You can press any key to skip.



PLEASE CHOOSE SAFETY OVER PERFORMANCE WHEN RIDING. BY USING THIS DEVICE, YOU AGREE TO ASSUME ALL RISK AND RESPONSIBILITY RELATED TO ITS USAGE.

Screen Overview

There are two modes available: Drive mode for street cruising and Timer mode for timing. To switch to the other mode, enter Menu, go to "GO TO TIMER/DRIVE MODE", and press SELECT to confirm.



1. GPS Reception Quality
2. REC, flashes when recording
3. Temp Alert, displayed when environmental temperature is too high or too low.
4. Battery Life
5. Current Time
6. Max angles of the last three turns
7. Max Right/Left angle
8. Lean Angle Meter
9. Current Angle Degree
10. Message Area

11. Top Speed
12. Current Speed
13. G-force Bar, + is acceleration, - is braking
14. Lap Count, flashes when a Finish Line is crossed
15. Main Display, displays lap time / session time. Highlighted when a best lap is created if Sub Display is set as best lap.
16. Sub Display, displays best lap with time gap / sector time / last lap / lap length

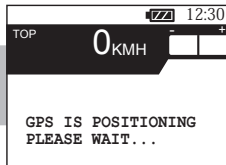
Timer Mode

GMOS timer is basically hands free. Just focus on your ride; GMOS will take care of itself. For your reference, below are things that GMOS will do automatically once you enter Timer Mode:

*This result will display for 90 seconds.
To skip, press **SELECT**.*

*It stops when the preset
idle time is reached.*

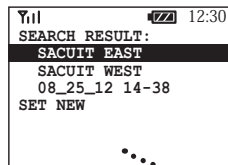
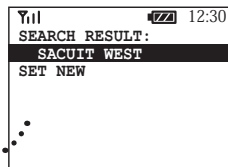
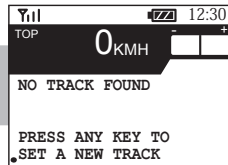
GPS Positioning



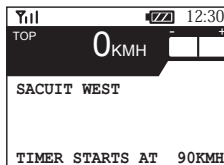
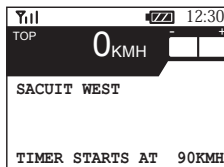
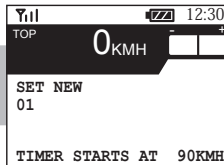
*No Track found. GMOS
will set a new Track when
the timer starting speed is
reached.*

*One Track found. GMOS
will use it directly.*

Track Auto Search



Standby

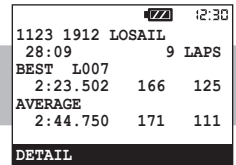


Timer / Logging Auto Start



*Timer will auto start when
this speed (configurable) is
reached.*

Timer / Logging Auto Stop. Lap report Auto Display.



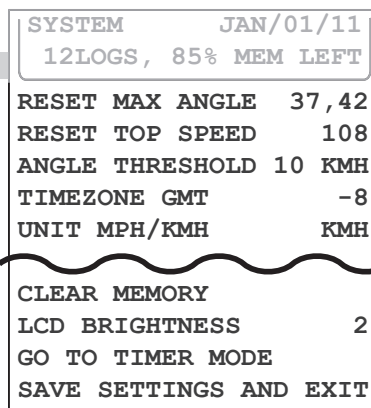
*Multiple Tracks found. Press **MENU**
to go to the Track you want, and then
press **SELECT** to confirm.
If no Track is selected, GMOS will set a
new Track when timer starts.*

- To preload track settings to your device, please use the companion software R4
- For information on how to designate a Track that is not within the 3 KM search range, how to configure your settings such as starting speed, idle time before auto stop, freeze duration of your lap time, and much more, please see GMOS JI100S User Manual.

Drive Mode



Press **SELECT** to
start / stop recording.



SYSTEM MENU. Press **MENU** to enter.

Press **SELECT** to change Time Zone.
Press **SELECT** to change KMH / MPH.

Clear memory when you see "MEMORY FULL" or "LOGS FULL" in the message area.

Downloading Logs to Your Computer

Please go to www.SpeedAngle.com/Download to download:

- USB Driver (Double click to start installation.)
- companion software SpeedAngle R4 (Upzip before use).

Connect GMOS to your computer and turn the power on. If this is the first time you connect to this computer, wait till the Windows displays "This device is ready for use". Sometimes this may take a few minutes. Launch SpeedAngle R4 and click on **MENU** --> **TOOLS** --> **LOG DOWNLOADER** to open the Download dialog. For more information, please watch the tutorial videos on the download webpage.